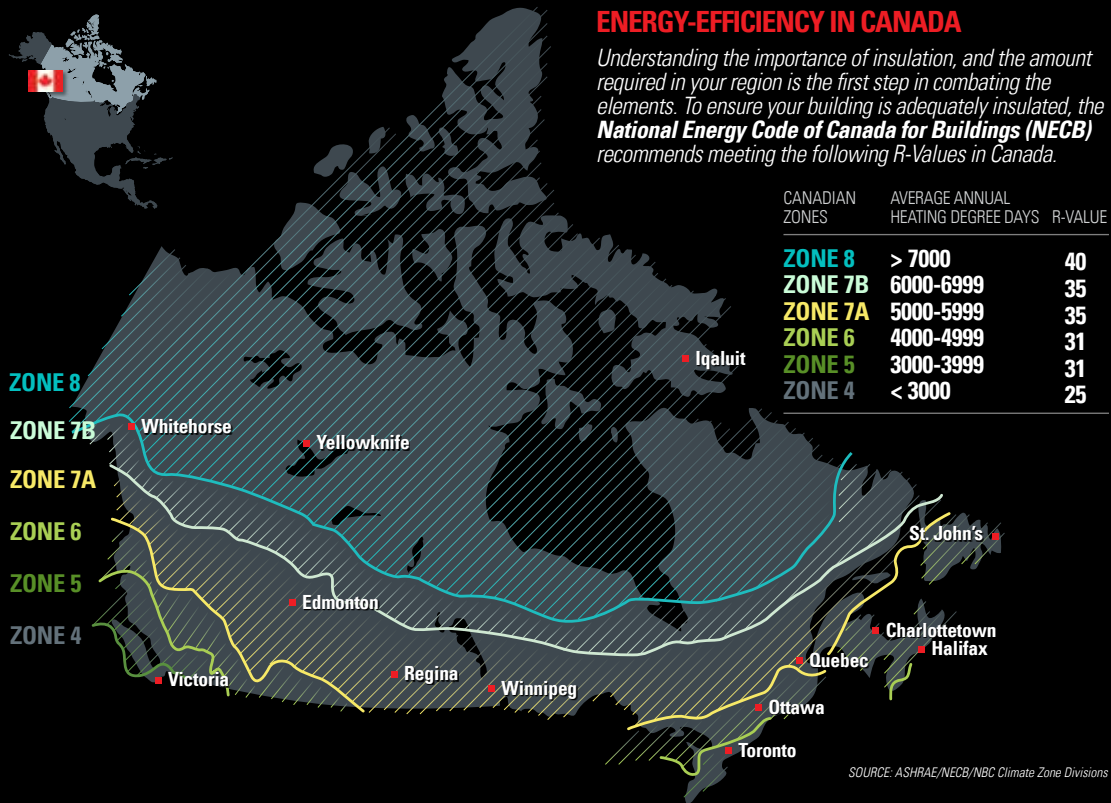


POLYISO

Polyiso is a closed-cell, rigid foam board insulation compatible with all types of commercial roofing systems.

Polyiso is one of North America's most widely-used and cost-effective insulation products and is known for its responsible impact on the environment.

What is POLYISO?



DYNAMIC TEMPERATURES

Polyiso is stable over a large temperature range (-100°F to +250°F) and can be used as a component in roof systems utilizing hot asphalt.



RESISTANCE TO CHEMICALS

Polyiso is not affected by oil-based waterproofing compounds, insecticides or fertilizers when properly protected.



HIGHEST R-VALUE PER INCH

Higher R-value per inch means less Polyiso material is required. The result: greater energy efficiency, reduced energy waste, and lowered costs for both materials and labor.



ENVIRONMENTAL IMPACT

Virtually no global warming potential. Recyclable through reuse. Zero ozone depletion potential.



THERMAL PERFORMANCE

Only high-thermal foam to meet both FM 4450 and UL 1256 fire tests and stay intact during fire exposure in the ASTM E84 or "Tunnel Test".

ENVIRONMENTAL BENEFITS OF POLYISO INSULATION

Well-insulated buildings reduce the need for energy, thereby reducing air pollution and greenhouse gas (GHG) emissions. BOMA* currently represents roughly 9 billion square feet of roofing area. Reducing energy consumption by just 10 percent in these roofs is equal to planting **344,922,103** trees - a huge reduction in atmospheric CO₂ that would also:

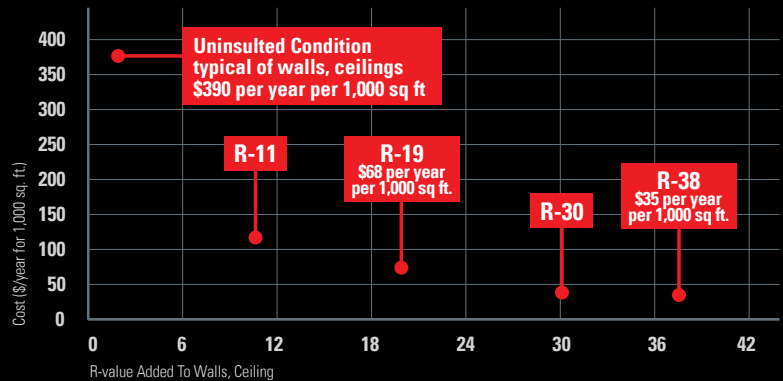


- GENERATE \$10,7 trillion WORTH OF OXYGEN**
- REMOVE #42,7 million CARS OFF THE ROAD FOR ONE YEAR**
- CONTROL \$10,8 trillion WORTH OF SOIL EROSION**
- RECYCLE \$12,9 trillion WORTH OF WATER**
- PROVIDE \$21,4 trillion WORTH OF AIR POLLUTION CONTROL**

SOURCE: BOMA - Building Owners and Managers Association

COST OF HEAT LOSS AND LEVELS OF INSULATION

Having the appropriate amount of insulation installed in a roof can help a building owner save thousands of dollars a year in heating and cooling costs.



The graph shows the cost of heating a 1000 sq.ft. structure for an entire heating season in Chicago. With increased insulation with a higher R-Value, heating costs are significantly lower.

SOURCE: Chicago Conservation Corps

Study performed by Energy Services Provider Group (ESPG), using ASHRAE 90.1-1999 as a baseline - shows dramatic installed cost advantage of polyiso roof insulation.



38,000-138,000

SAVINGS OVER A 25 YEAR PERIOD WHEN COMPARED TO POLYSTYRENE ROOF INSULATION PRODUCTS



Why Firestone?

With its superior energy efficiency, greater cost effectiveness and proven fire safety, Firestone polyiso insulation is the insulation trusted in more than 60% of all new commercial construction applications.

High Performance Roofing System

Firestone Polyiso Insulation is complemented by Firestone's wide product offering that includes single-ply, metal, and asphalt based systems.



Firestone is your single-source provider of high performance roofing system with legendary support and unmatched warranty coverage. System warranties range from 5-30 years. Have peace of mind knowing that your next roof is backed by Firestone Building Products.

TIPS FROM TODD



1. It is vital that you follow the design guides for the insulation fastening pattern during installation.
2. Consult the Firestone Technical Database to gain access to all Firestone technical documents
3. Keep in mind, perimeter securement is important, especially for fully adhered systems.
4. Remember that the insulation boards needs to be staggered to prevent slipping and other movements.

Todd Perry
Technical Representative – Southern Ontario

TIPS FROM DON



5. Multi-layering of polyiso roof insulation installed with staggered joints offers a number of advantages, including:
 - a. Reduced thermal loss at insulation joints
 - b. Less thermal bridging;
 - c. Moisture prevention from condensing on the underside of the roofing membrane.

Don Brisson
Technical Representative – Quebec & The Maritimes



FIRESTONE INSULATION PRODUCTS

ISO 95+ Polyiso Insulation

- » Offers high-energy efficiency through the highest R-value ratings per inch versus other insulation materials
- » Compatible with all types of roofing systems. Lightweight, easy-to-handle, perfectly suited for application on FM approved and UL classified steel roof deck assemblies.

Tapered ISO 95+ Polyiso Insulation

- » Used when a substrate slope will not permit efficient drainage
- » Extends the life of the roof assembly by eliminating problems associated with ponded water.
- » Available in slopes from 1/16" to 1/2" per foot

Resista Polyiso Insulation

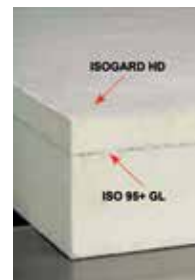
- » Manufactured with a heavy-duty, double-coated, non-organic glass facer, Firestone Resista polyiso insulation board is compatible with all fully-adhered and mechanically attached single-ply, cold-applied and self-adhered modified bitumen membranes.

Cover Boards

- » Firestone offers 3 types of cover boards to protect the insulation:
 - » ISOGARD™ HD
 - » DensDeck
 - » FiberTop Coverboard

Composites

- » Firestone thermally efficient ISOGARD HD Composite features a factory-controlled laminated overlay board for asphalt and single-ply applications
- » Warranty, protecting against accidental puncture, hail up to two inches in diameter and 100 mph winds.



FIRESTONE POLYISO INSULATION Manufacturing Plants

- » Bristol, CT
- » Corsicana, TX
- » De Forest, WI
- » Florence, KY
- » Jacksonville, FL
- » Salt Lake City, UT
- » Youngwood, PA



Experience The Firestone Difference



High Performance Systems



Quality Control



Support & Expertise



Stability & Innovation



Resources



R&D Commitment



Green Focused



INFO

BOARD SIZE THICKNESS

| ISO 95+ Polyiso Insulation | Tapered ISO 95+ Polyiso Insulation | Resista Polyiso Insulation |
|----------------------------|------------------------------------|----------------------------|
| » 1" to 4" | » 1" to 4" | » 1" to 4" |
| » 4' x 4' | » 4' x 4' | » 4' x 4' |
| » 4' x 8' | » 4' x 8' | » 4' x 8' |

| Cover Boards | Composites |
|----------------|----------------|
| » 1.5" to 4.0" | » 1.5" to 4.0" |
| » 4' x 4' | » 4' x 4' |
| » 4' x 8' | » 4' x 8' |